

ABSTRACT OF THE DISCLOSURE

An electromagnetic gun and rotating pulsed network system that
5 includes a gun barrel coupled to a gun mount coupled on a rotating platform on one
deck of a naval ship. A pulse forming network which is generally cylindrical in shape
provides pulsed energy to the electromagnetic gun and is rotatable within a
cylindrical bulkhead located on a lower deck of the ship. The pulse forming network
rotates in unison with the gun barrel on the same axis, allowing unbroken cables to
10 couple the pulse forming network to the gun. The pulse forming network includes
wedge-shaped capacitor modules that, when juxtaposed, collectively form a
substantially annular shape having generally cylindrical inner and outer surfaces.